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The current explosion of information about the somatosensory system threatens to overwhelm us. This book sets out to chart a course for postgraduate students, medical specialists, and research workers. There is a systematic review of advances in the morphology and physiology of cutaneous and joint receptors and their projections into the central nervous system. The structure, function, and interactions of the classical sensory paths leading through the spinal cord and brainstem and thalamic nuclei to the cerebral cortex in animals and man are fully covered, but not to the exclusion of the major somatic afferent inflow to the reticular formation, cerebellum, and nonspecific thalamic nuclei. The fascinating insight into the operation of the somatosensory system provided by the discovery of the powerful control over the accessibility of ascending sensory pathways to input from receptors is fully documented. Wherever appropriate, the sensory role in man of the system under discussion is considered, as a contribution to the ceaseless reassessment of the function of the somatosensory system in man.

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